



NTSB National Transportation Safety Board

*Office of Railroad, Pipeline &
Hazardous Materials Investigations*

**Collision Between Two
Washington Metropolitan
Area Transit Authority
Trains at the Woodley Park-
Zoo/Adams Morgan Station
in Washington, D.C.
November 3, 2004**

INVESTIGATIVE TEAM

Ed Dobranetski	Sr. Civil Engineer, IIC
David Watson	Senior Investigator-Mechanical
Robert Campbell	Railroad Investigator-Transit Operations
Richard Downs	Mechanical Engineer-Crashworthiness
Dana Sanzo	Forensic Scientist-Survival Factors
Dr. Steve Jenner	Psychologist-Human Performance
Terry Williams	Public Affairs
Ruben Payan	Electrical Engineer-Event Recorder
Kathleen Curry	Writer-Editor

Member Deborah A. P. Hersman was the Board Member on scene

PARTIES

- WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
- DISTRICT OF COLUMBIA FIRE DEPARTMENT
- TRI-STATE OVERSIGHT COMMITTEE

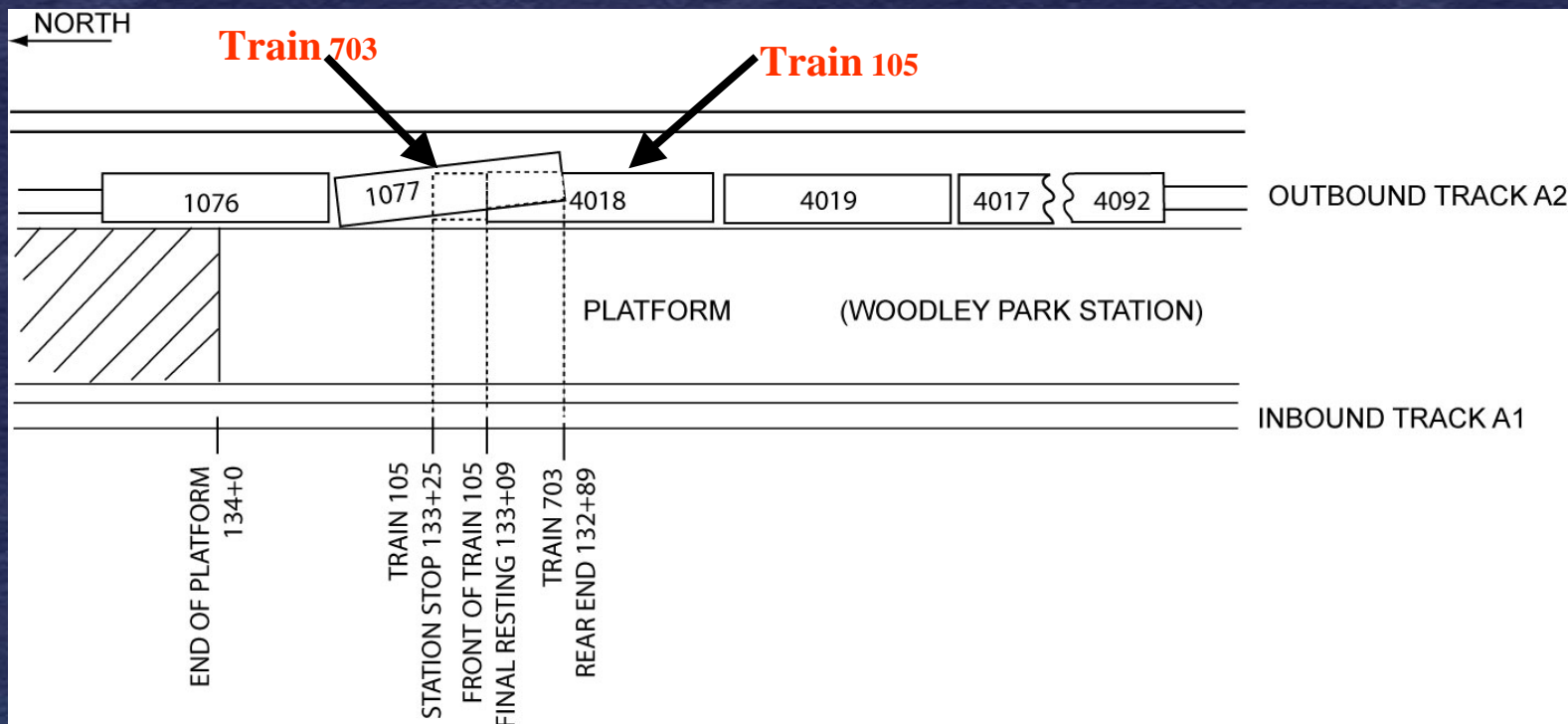
WMATA SYSTEM MAP



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WOODLEY PARK STATION PLATFORM



Train 703 rear car on top of lead car of Train 105



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INVESTIGATION

Focused on:

- The lack of a rollback protection feature when trains are operated in the manual mode,
- Operator performance,
- The lack of passenger emergency exit standards in the transit industry, and;
- The crashworthiness of Metrorail 1000-series railcars.

The investigation also examined the effectiveness of reorganizing management structure.

EXCLUSIONS

- Track, signal, and communications systems were not factors.
- The use of drugs or alcohol was not a factor.



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